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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on
STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 32 Nov 18 DKILIT has been renamed APOLLIT
NEWS 33 Nov 25 More calculated properties added to REGISTRY
NEWS 34 Dec 02 TIBKAT will be removed from STN
NEWS 35 Dec 04 CSA files on STN
NEWS 36 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 37 Dec 17 TOXCENTER enhanced with additional content
NEWS 38 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 39 Dec 30 ISMEC no longer available

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),

AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:52:09 ON 08 JAN 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:52:15 ON 08 JAN 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6

DICTIONARY FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e biotin

E1	134	BIOTICUS/BI
E2	1	BIOTIKUM/BI
E3	880 -->	BIOTIN/BI
E4	1	BIOTINA/BI
E5	3	BIOTINAMIDE/BI
E6	12	BIOTINAMIDO/BI
E7	5	BIOTINAMIDOCAPR/BI
E8	2	BIOTINAMIDOCAPRO/BI
E9	1	BIOTINAMIDOCAPROAMIDO/BI
E10	1	BIOTINAMIDOCAPROATE/BI
E11	1	BIOTINAMIDOCAPROIC/BI

E12 2 BIOTINAMIDOCAPROYL/BI

=> e-biotin/cn

E1 1 BIOTHION/CN

E2 1 BIOTIASE 350/CN

E3 1 --> BIOTIN/CN

E4 1 BIOTIN (+)-SULFOXIDE/CN

E5 1 BIOTIN (ACETYL-COA CARBOXYLASE) LIGASE : TRANSCRIPTIONAL
REP

RESSOR OF THE BIOTIN OPERON (OCEANOBACILLUS IHEYENSIS
STRAIN

HTE831 GENE BIRA)/CN

E6 1 BIOTIN (ACETYL-COA CARBOXYLASE) LIGASE-HOMOLOG (PARACOCUS
D

ENITRIFICANS CLONE PXT-2 GENE BIRA)/CN

E7 1 BIOTIN .BETA.-SITOSTERYL ESTER/CN

E8 1 BIOTIN 11,11'-DITHIOBIS(UNDECYL ESTER)/CN

E9 1 BIOTIN 11-((11-HYDROXYUNDECYL)DITHIO)UNDECYL ESTER/CN

E10 1 BIOTIN 11-DDATP/CN

E11 1 BIOTIN 11-DDCTP/CN

E12 1 BIOTIN 11-DDGTP/CN

=> s e3

L1 1 BIOTIN/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 58-85-5 REGISTRY

CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
(3aS,4S,6aR)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
[3aS-(3a.alpha.,4.beta.,6a.alpha.)]-

CN **Biotin (8CI)**

OTHER NAMES:

CN (+)-Biotin

CN (+)-cis-Hexahydro-2-oxo-1H-thieno[3,4]imidazole-4-valeric acid

CN 255: PN: EP1223534 SEQID: 255 claimed sequence

CN Bioepiderm

CN Bios II

CN cis-(+)-Tetrahydro-2-oxothieno[3,4]imidazoline-4-valeric acid

CN Coenzyme R

CN D(+)-Biotin

CN d-Biotin

CN D-Biotin

CN Factor S

CN Factor S (vitamin)

CN Lutavit H2

CN Meribin

CN Rovimix H 2

CN Vitamin B7

CN Vitamin H

FS STEREOSEARCH

DR 58073-87-3, 15720-24-8, 22879-79-4, 3672-05-7

MF C10 H16 N2 O3 S

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS,
BIOSIS,

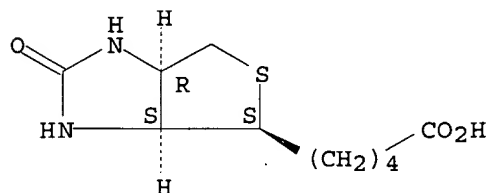
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9563 REFERENCES IN FILE CA (1962 TO DATE)

2089 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

9604 REFERENCES IN FILE CAPLUS (1962 TO DATE)

8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e homobiotin/cn

E1	1	HOMOBENZVALENE/CN
E2	1	HOMOBENZYL PENICILLIN/CN
E3	1 -->	HOMOBBIOTIN/CN
E4	1	HOMOBBIOTIN HYDRAZIDE/CN
E5	1	HOMOBBIOTIN METHYL ESTER/CN
E6	1	HOMOBBIOTIN SULFONE/CN
E7	1	HOMOBBIOTIN SULFONE METHYL ESTER/CN
E8	1	HOMOBBIOTIN SULFOXIDE/CN
E9	1	HOMOBORNANE/CN
E10	1	HOMOBORNEOL/CN
E11	1	HOMOBOTCINOLIDE/CN
E12	1	HOMOBBOX-CONTAINING PROTEIN PKNOX 11.11 (HUMAN FETAL BRAIN
CL		ONE PBS-1729F10)/CN

=> s e3

L2 1 HOMOBBIOTIN/CN

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 1784-22-1 REGISTRY

CN 1H-Thieno[3,4-d]imidazole-4-hexanoic acid, hexahydro-2-oxo-,
(3aS,4S,6aR) -
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Thieno[3,4-d]imidazole-4-hexanoic acid, hexahydro-2-oxo-, stereoisomer
(8CI)

CN 1H-Thieno[3,4-d]imidazole-4-hexanoic acid, hexahydro-2-oxo-,
[3aS-(3a.alpha.,4.beta.,6a.alpha.)]-

OTHER NAMES:

CN (+)-Homobiotin

CN **Homobiotin**

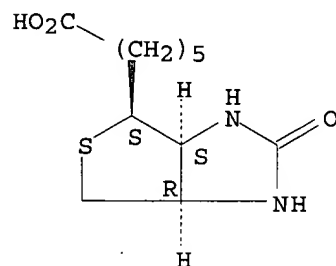
FS STEREOSEARCH

MF C11 H18 N2 O3 S

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, DDFU, DRUGU,
TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 REFERENCES IN FILE CA (1962 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

16 REFERENCES IN FILE CAPLUS (1962 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> fil caplus uspatfull biosis embase medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

12.20

12.41

FILE 'CAPLUS' ENTERED AT 12:53:06 ON 08 JAN 2003

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FILE 'USPATFULL' ENTERED AT 12:53:06 ON 08 JAN 2003

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FILE 'BIOSIS' ENTERED AT 12:53:06 ON 08 JAN 2003

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FILE 'EMBASE' ENTERED AT 12:53:06 ON 08 JAN 2003

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FILE 'MEDLINE' ENTERED AT 12:53:06 ON 08 JAN 2003

=> d his

(FILE 'HOME' ENTERED AT 12:52:09 ON 08 JAN 2003)

FILE 'REGISTRY' ENTERED AT 12:52:15 ON 08 JAN 2003

E BIOTIN

E BIOTIN/CN

L1

1 S E3

E HOMOBIOITIN/CN
L2 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 12:53:06 ON
08 JAN 2003

=> s l1
L3 29810 L1

=> s l2
L4 22 L2

=> s l3(s)l4
L5 0 L3(S) L4

=> dup rem l4
PROCESSING COMPLETED FOR L4
L6 21 DUP REM L4 (1 DUPLICATE REMOVED)

=> s l6(p)l3
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L28(P)L6'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L30(P)L7'
L7 0 L6(P) L3

=> d l6 kwic

L6 ANSWER 1 OF 21 USPATFULL
IT 533-48-2, Desthiobiotin 535-87-5, 3,5-Diaminobenzoic acid 554-95-0,
1,3,5-Benzene tricarboxylic acid 669-72-7, Nor-biotin 1784-22-1
, Homobiotin 3376-83-8, Biotin sulfoxide 13395-35-2, Iminobiotin
14474-91-0, Oxybiotin 22342-46-7, Diaminobiotin 40720-05-6, Biotin
sulfone
(prepn. of biotin derivs. for conditioning of extracorporeal device
and
extn. of toxic material from mammalian body fluids)

=> d l6 kwic ibib

L6 ANSWER 1 OF 21 USPATFULL
IT 533-48-2, Desthiobiotin 535-87-5, 3,5-Diaminobenzoic acid 554-95-0,
1,3,5-Benzene tricarboxylic acid 669-72-7, Nor-biotin 1784-22-1
, Homobiotin 3376-83-8, Biotin sulfoxide 13395-35-2, Iminobiotin
14474-91-0, Oxybiotin 22342-46-7, Diaminobiotin 40720-05-6, Biotin
sulfone
(prepn. of biotin derivs. for conditioning of extracorporeal device
and
extn. of toxic material from mammalian body fluids)

ACCESSION NUMBER: 2002:287135 USPATFULL
TITLE: Biotin derivatives
INVENTOR(S): Sandberg, Bengt E.B., Hjarup, SWEDEN
Wilbur, D. Scott, Edmonds, WA, UNITED STATES
Nilsson, Rune, Lund, SWEDEN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002159994	A1	20021031
APPLICATION INFO.:	US 2001-881213	A1	20010615 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	SE 2000-2287	20000616
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SMITH, GAMBRELL & RUSSELL, LLP, ATTORNEYS AT LAW, SUITE 800, 1850 M STREET, N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	943	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> d 16 2 kwic ibib

L6 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
IT INDEXING IN PROGRESS
IT 669-72-7, Norbiotin 1784-22-1, Homobiotin 9013-20-1,
Streptavidin
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
(Biological study)
(exchange of biotin and biotin derivs. between avidin and
streptavidin)
ACCESSION NUMBER: 2002:658989 CAPLUS
TITLE: Ligand exchange between proteins: exchange of biotin
and biotin derivatives between avidin and
streptavidin
AUTHOR(S): Pazy, Yael; Kulik, Tikva; Bayer, Edward A.; Wilchek,
Meir; Livnah, Oded
CORPORATE SOURCE: Department of Biological Chemistry, The Institute of
Life Sciences, The Wolfson Centre for Applied
Structural Biology, The Hebrew University of
Jerusalem, Jerusalem, 91904, Israel
SOURCE: Journal of Biological Chemistry (2002), 277(34),
30892-30900
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 33. THERE ARE 33 CITED REFERENCES AVAILABLE FOR
THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

=> d 16 3 kwic ibib

L6 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2003 ACS
IT 533-48-2, Desthiobiotin 535-87-5, 3,5-Diaminobenzoic acid 554-95-0,
1,3,5-Benzene tricarboxylic acid 669-72-7, Nor-biotin 1784-22-1
, Homobiotin 3376-83-8, Biotin sulfoxide 13395-35-2, Iminobiotin
14474-91-0, Oxybiotin 22342-46-7, Diaminobiotin 40720-05-6, Biotin
sulfone
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(prepn. of biotin derivs. for conditioning of extracorporeal device
and

extn. of toxic material from mammalian body fluids)

ACCESSION NUMBER: 2001:923565 CAPLUS
DOCUMENT NUMBER: 136:42919
TITLE: Biotin derivatives for an extracorporeal device
INVENTOR(S): Sandberg, Bengt; Wilbur, Scott; Nilsson, Rune
PATENT ASSIGNEE(S): Mitra Medical Technology AB, Swed.; University of Washington
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001095857	A2	20011220	WO 2001-SE1374	20010618
WO 2001095857	A3	20020328		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002159994	A1	20021031	US 2001-881213	20010615
AU 2001074761	A5	20011224	AU 2001-74761	20010618
PRIORITY APPLN. INFO.:			SE 2000-2287	A 20000616
			US 2000-216625P	P 20000707
			WO 2001-SE1374	W 20010618

=> d 16 4 kwic ibib

L6 ANSWER 4 OF 21 USPATFULL

IT 58-85-5D, Biotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 99-31-0D, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety 108-72-5D, 1,3,5-Triaminobenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 533-48-2D, Desthiobiotin, conjugates with crosslinking agent binding to effect agent

and to biomol. reactive moiety 535-87-5D, 3,5-Diaminobenzoic acid, conjugates with affinity ligand and effector agent and biomol. reactive moiety 554-95-0D, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 669-72-7D, Norbiotin, conjugates with crosslinking agent binding to effect agent

and to biomol. reactive moiety 1784-22-1D, Homobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 3376-83-8D, Biotin sulfoxide, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 13395-35-2D, Iminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 14474-91-0D, Oxybiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety

22342-46-7D, Diaminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 40720-05-6D, Biotin sulfone, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 254441-23-1 254441-24-2D, derivs. 254441-25-3 254441-26-4 254441-28-6 254447-29-5 (trifunctional reagent for conjugation to a biomol. for use in diagnosis and therapy)

ACCESSION NUMBER: 2001:161020 USPATFULL
TITLE: Trifunctional reagent for conjugation to a biomolecule
INVENTOR(S): Wilbur, D. Scott, Edmonds, WA, United States
Sandberg, Bengt E.B., Hjarup, Sweden

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001023288	A1	20010920
APPLICATION INFO.:	US 2000-750280	A1	20001229 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1999-SE1241, filed on 7 Jul 1999, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	SMITH, GAMBRELL & RUSSELL, LLP, 1850 M STREET, N.W., SUITE 800, WASHINGTON, DC, 20036		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
LINE COUNT:	749		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

=> d 16 5 kwic ibib

L6 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2003 ACS

IT 58-85-5D, Biotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 99-31-0D, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety 108-72-5D, 1,3,5-Triaminobenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 533-48-2D, Desthiobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 535-87-5D, 3,5-Diaminobenzoic acid, conjugates with affinity ligand and effector agent and biomol. reactive moiety 554-95-0D, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 669-72-7D, Norbiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 1784-22-1D, Homobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 3376-83-8D, Biotin sulfoxide, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 13395-35-2D, Iminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 14474-91-0D, Oxybiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 22342-46-7D, Diaminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 40720-05-6D, Biotin sulfone, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 254441-23-1 254441-24-2D, derivs. 254441-25-3 254441-26-4 254441-28-6 254447-29-5 254447-31-9

RL: ARG (Analytical reagent use); BPR (Biological process); BSU
(Biological study, unclassified); RCT (Reactant); THU (Therapeutic use);
ANST (Analytical study); BIOL (Biological study); PROC (Process); RACT
(Reactant or reagent); USES (Uses)
(trifunctional reagent for conjugation to a biomol. for use in
diagnosis and therapy)

ACCESSION NUMBER: 2000:35037 CAPLUS
DOCUMENT NUMBER: 132:90367
TITLE: Trifunctional reagent for conjugation to a
biomolecule
for use in diagnosis and therapy
INVENTOR(S): Wilbur, D. Scott; Sandberg, Bengt E. B.
PATENT ASSIGNEE(S): Dept. of Radiation Oncology, University of
Washington,
USA; Mitra Medical Technology AB
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002051	A1	20000113	WO 1999-SE1241	19990707
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 2000002050	A1	20000113	WO 1998-SE1345	19980707
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
CA 2336739	AA	20000113	CA 1999-2336739	19990707
AU 9950767	A1	20000124	AU 1999-50767	19990707
EP 1095274	A1	20010502	EP 1999-935251	19990707
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002519440	T2	20020702	JP 2000-558395	19990707
US 2001023288	A1	20010920	US 2000-750280	20001229
NO 2001000021	A	20010307	NO 2001-21	20010103
PRIORITY APPLN. INFO.:			WO 1998-SE1345 A	19980707
			WO 1999-SE1241 W	19990707
REFERENCE COUNT:	13	THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS		
FORMAT		RECORD. ALL CITATIONS AVAILABLE IN THE RE		

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L6 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2003 ACS

IT 58-85-5D, Biotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 99-31-0D, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety 108-72-5D, 1,3,5-Triaminobenzene, conjugates with affinity

ligand

and effector agent and biomol. reactive moiety 533-48-2D,

Desthiobiotin,

conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 535-87-5D, 3,5-Diaminobenzoic acid, conjugates with affinity ligand and effector agent and biomol. reactive moiety 554-95-0D, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 669-72-7D, Norbiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 1784-22-1D, Homobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 3376-83-8D, Biotin sulfoxide, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 13395-35-2D,

Iminobiotin,

conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 14474-91-0D, Oxybiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 22342-46-7D, Diaminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 40720-05-6D, Biotin

sulfone,

conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 254441-23-1 254441-24-2D, derivs. 254441-25-3 254441-26-4 254441-28-6 254447-29-5

RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); RCT (Reactant); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); RACT (Reactant or reagent); USES (Uses)

(trifunctional reagent for conjugation to a biomol. for use in diagnosis and therapy)

ACCESSION NUMBER: 2000:35036 CAPLUS

DOCUMENT NUMBER: 132:90366

TITLE: Trifunctional reagent for conjugation to a biomolecule

for use in diagnosis and therapy

INVENTOR(S): Wilbur, D. Scott; Sandberg, Bengt E. B.

PATENT ASSIGNEE(S): Department of Radiation Oncology, University of Washington, USA; Mitra Medical Technology AB

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002050	A1	20000113	WO 1998-SE1345	19980707

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, ML, MR, NE, SN, TD, TG
 AU 9883663 A1 20000124 AU 1998-83663 19980707
 CA 2336739 AA 20000113 CA 1999-2336739 19990707
 WO 2000002051 A1 20000113 WO 1999-SE1241 19990707
 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU,
 CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM,
 HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
 LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,
 SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU,
 ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 9950767 A1 20000124 AU 1999-50767 19990707
 EP 1095274 A1 20010502 EP 1999-935251 19990707
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 JP 2002519440 T2 20020702 JP 2000-558395 19990707
 NO 2001000021 A 20010307 NO 2001-21 20010103
 PRIORITY APPLN. INFO.: WO 1998-SE1345 A 19980707
 WO 1999-SE1241 W 19990707
 REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR
 THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

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L6 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2003 ACS
 IT 98-59-9, p-Toluenesulfonyl chloride 769-39-1 1784-22-1,
 Homobiotin 2418-95-3 3057-74-7 4125-93-3 6160-65-2 17083-26-0
 135242-89-6 142685-25-4 157720-49-5 173341-32-7 173401-47-3,
 Norbiotinamine 295322-35-9 295322-37-1 295322-40-6 295322-41-7
 295322-44-0 295329-78-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (biotin reagents for antibody pretargeting - selection of biotin
 conjugates for in vivo application based on dissocn. rate from avidin
 and streptavidin)
 ACCESSION NUMBER: 2000:433866 CAPLUS
 DOCUMENT NUMBER: 133:248664
 TITLE: Biotin Reagents for Antibody Pretargeting. 4.
 Selection of Biotin Conjugates for in Vivo
 Application
 Based on Their Dissociation Rate from Avidin and
 Streptavidin
 AUTHOR(S): Wilbur, D. Scott; Chyan, Ming-Kuan; Pathare, Pradip
 M.; Hamlin, Donald K.; Frownfelter, Milah B.; Kegley,
 Brian B.
 CORPORATE SOURCE: Department of Radiation Oncology, University of
 Washington, Seattle, WA, 98195, USA
 SOURCE: Bioconjugate Chemistry (2000), 11(4), 569-583
 CODEN: BCCHES; ISSN: 1043-1802
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR
 THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

=> d 16 8 kwic ibib

L6 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2003 ACS
 IT 576-19-2, Biocytin 669-72-7, Norbiotin 1784-22-1, Homobiotin
 3376-83-8 10118-85-1, .alpha.-Dehydrobiotin 10406-89-0,
 Biotin-d-sulfoxide 16968-98-2, Bismorbiotin 40720-05-6, Biotinsulfone
 RL: BPR (Biological process); BSU (Biological study, unclassified); MFM
 (Metabolic formation); BIOL (Biological study); FORM (Formation,
 nonpreparative); PROC (Process)
 (biotin detd. by a microbiol., an avidin-binding, and a
 streptavidin-binding method in urine and plasma ultrafiltrates of
 patients with biotinidase deficiency)
 ACCESSION NUMBER: 1998:642438 CAPLUS
 DOCUMENT NUMBER: 129:274233
 TITLE: Biotin determination by three different methods.
 Specificity and application to urine and plasma
 ultrafiltrates of patients with and without disorders
 in biotin metabolism
 AUTHOR(S): Baur, Barbara; Suormala, Terttu; Bernoulli, Claudia;
 Baumgartner, E. Regula
 CORPORATE SOURCE: Metabolic Unit, Children's Hospital, Univ. Basel,
 Basel, CH-4005, Switz.
 SOURCE: International Journal for Vitamin and Nutrition
 Research (1998), 68(5), 300-308
 CODEN: IJVNAP; ISSN: 0300-9831
 PUBLISHER: Hogrefe & Huber Publishers
 DOCUMENT TYPE: Journal
 LANGUAGE: English

=> d 16 9 kwic ibib

L6 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2003 ACS
 IT 58-85-5 58-85-5D, analogs and metabolites 533-48-2 576-19-2
 608-16-2 1784-22-1 3376-83-8 10118-85-1 10406-89-0
 13395-35-2 16968-98-2 20349-92-2 29117-49-5 40720-05-6
 53906-36-8
 RL: ANT (Analyte); ANST (Analytical study)
 (sepn. of, by HPLC)
 ACCESSION NUMBER: 1986:511298 CAPLUS
 DOCUMENT NUMBER: 105:111298
 TITLE: Separation of biotin and analogs by high-performance
 liquid chromatography
 AUTHOR(S): Bowers-Komro, Delores M.; Chastain, Jane L.;
 McCormick, Donald B.
 CORPORATE SOURCE: Sch. Med., Emory Univ., Atlanta, GA, 30322, USA
 SOURCE: Methods in Enzymology (1986), 122 (Vitam. Coenzymes,
 Pt. G), 63-7
 CODEN: MENZAU; ISSN: 0076-6879
 DOCUMENT TYPE: Journal
 LANGUAGE: English

=> d 16 10 kwic ibib

L6 ANSWER 10 OF 21 USPATFULL

IT 504-78-9 533-48-2 669-72-7 1784-22-1 3376-83-8
 4413-03-0 4479-93-0 4746-69-4 6538-75-6 6697-30-9 6706-13-4
 7695-75-2 10118-85-1 14474-91-0 16198-62-2 16968-98-2
 16968-99-3 17866-66-9 24608-30-8 28900-69-8 30868-27-0
 36109-75-8 40720-05-6 51775-26-9 57671-76-8 66640-86-6
 69705-13-1 76906-12-2 88193-15-1 88193-16-2 88193-17-3
 88193-18-4 88193-19-5 88193-20-8 88193-21-9 88193-22-0
 88193-23-1 88193-24-2 88193-25-3 88193-26-4 88193-27-5
 88193-28-6 88193-29-7 88193-30-0 88193-31-1 88193-32-2
 88193-33-3 88193-34-4 88193-35-5 88193-36-6 88193-37-7
 88193-38-8 88193-39-9 88193-40-2 88193-41-3 88193-42-4
 88193-43-5 88193-44-6 88193-45-7 88193-46-8 88193-47-9
 88193-48-0 88193-49-1 88193-50-4 88193-51-5 88193-52-6
 88193-53-7 88193-54-8 88193-55-9 88193-56-0 88193-57-1
 88193-58-2 88193-59-3 88193-60-6 88193-61-7 88193-62-8
 88193-63-9 88193-64-0D, alkyl derivs. 88204-09-5 88244-33-1
 (cosmetics or hair preps. contg., in seborrhea treatment)

ACCESSION NUMBER: 85:41782 USPATFULL
 TITLE: Method of reducing sebum on the hair and skin
 INVENTOR(S): Green, Martin R., Milton Keynes, United Kingdom
 PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4529587		19850716
APPLICATION INFO.:	US 1983-462859		19830201 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1982-4958	19820219
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Ore, Dale R.	
LEGAL REPRESENTATIVE:	Darcy, Lynne, Farrell, James J.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	862	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 16 11 kwic ibib

L6 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2003 ACS
 IT 58-85-5D, analogs 81-25-4 533-48-2 576-19-2 608-16-2 635-65-4,
 biological studies 1784-22-1 22342-46-7 53906-36-8
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); BIOL (Biological study)
 (biotin transport by hepatocytes response to)
 ACCESSION NUMBER: 1986:3747 CAPLUS
 DOCUMENT NUMBER: 104:3747
 TITLE: Biotin uptake by isolated rat liver hepatocytes
 AUTHOR(S): Bowers-Komro, Delores M.; McCormick, Donald B.
 CORPORATE SOURCE: Sch. Med., Emory Univ., Atlanta, GA, 30322, USA
 SOURCE: Annals of the New York Academy of Sciences (1985),
 447(Biotin), 350-8
 CODEN: ANYAA9; ISSN: 0077-8923
 DOCUMENT TYPE: Journal
 LANGUAGE: English

=> d 16 12 kwic ibib

L6 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2003 ACS

IT 58-85-5 533-48-2 576-19-2 608-16-2 1784-22-1 3376-83-8
10118-85-1 10406-89-0 13395-35-2 16968-98-2 20349-92-2
29117-49-5 40720-05-6 53906-36-8

RL: PROC (Process)

(sepn. of, from analogs by high-performance liq. chromatog.)

ACCESSION NUMBER: 1985:615053 CAPLUS
DOCUMENT NUMBER: 103:215053
TITLE: High-performance liquid chromatography of biotin and
analogs
AUTHOR(S): Chastain, Jane L.; Bowers-Komro, Delores M.;
McCormick, Donald B.
CORPORATE SOURCE: Sch. Med., Emory Univ., Atlanta, GA, 30322, USA
SOURCE: Journal of Chromatography (1985), 330(1), 153-8
CODEN: JOCRAM; ISSN: 0021-9673
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 16 13 kwic ibib

L6 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2003 ACS

AB Skin preps. or hair preps. contg. 0.0001-0.5M biotin antagonists such
as

biotin sulfone [40720-05-6], homobiotin [1784-22-1],
.alpha.-dehydrobiotin [10118-85-1], etc., and carriers are useful for
the
treatment of seborrhea. The antagonists block the activity of the
biotin-dependent.

IT 504-78-9 533-48-2 669-72-7 1784-22-1 3376-83-8 4413-03-0
4479-93-0 4746-69-4 6538-75-6 6697-30-9 6706-13-4 7695-75-2
10118-85-1 14474-91-0 16198-62-2 16968-98-2 16968-99-3
17866-66-9 24608-30-8 28900-69-8 30868-27-0 36109-75-8
40720-05-6 51775-26-9 57671-76-8 66640-86-6 69705-13-1
76906-12-2 88193-15-1 88193-16-2 88193-17-3 88193-18-4
88193-19-5 88193-20-8 88193-21-9 88193-22-0 88193-23-1
88193-24-2 88193-25-3 88193-26-4 88193-27-5 88193-28-6
88193-29-7 88193-30-0 88193-31-1 88193-32-2 88193-33-3
88193-34-4 88193-35-5 88193-36-6 88193-37-7 88193-38-8
88193-39-9 88193-40-2 88193-41-3 88193-42-4 88193-43-5
88193-44-6 88193-45-7 88193-46-8 88193-47-9 88193-48-0
88193-49-1 88193-50-4 88193-51-5 88193-52-6 88193-53-7
88193-54-8 88193-55-9 88193-56-0 88193-57-1 88193-58-2
88193-59-3 88193-60-6 88193-61-7 88193-62-8 88193-63-9
88193-64-0D, alkyl derivs. 88204-09-5 88244-33-1

RL: BIOL (Biological study)

(cosmetics or hair preps. contg., in seborrhea treatment)

ACCESSION NUMBER: 1984:12447 CAPLUS
DOCUMENT NUMBER: 100:12447
TITLE: Skin treatment compositions containing biotin
antagonists
INVENTOR(S): Green, Martin Richard
PATENT ASSIGNEE(S): Unilever PLC, UK
SOURCE: Brit. UK Pat. Appl., 18 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2114886	A1	19830901	GB 1983-4383	19830217
GB 2114886	B2	19860604		
US 4529587	A	19850716	US 1983-462859	19830201
AU 8311432	A1	19830825	AU 1983-11432	19830215
AU 548324	B2	19851205		
EP 88542	A2	19830914	EP 1983-300809	19830217
EP 88542	A3	19850515		
EP 88542	B1	19880511		
R: AT, BE, CH, DE, FR, IT, LI, NL, SE				
JP 58154508	A2	19830914	JP 1983-25484	19830217
JP 04045486	B4	19920727		
ZA 8301083	A	19840926	ZA 1983-1083	19830217
CA 1208135	A1	19860722	CA 1983-421827	19830217
AT 34077	E	19880515	AT 1983-300809	19830217
PRIORITY APPLN. INFO.:			GB 1982-4958	19820219
			EP 1983-300809	19830217

=> d l6 14 kwic ibib

L6 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2003 ACS
 IT 57-13-6, biological studies 58-85-5 107-92-6, biological studies
 109-52-4, biological studies 110-01-0 120-93-4 142-62-1, biological
 studies 533-48-2 576-19-2 608-16-2 669-72-7 940-69-2
 1784-22-1 10118-85-1 30868-27-0 36846-64-7 53859-20-4
 53906-36-8 57828-26-9
 RL: BIOL (Biological study)
 (transport of, by fibroblast, biotin transport in relation to)
 ACCESSION NUMBER: 1983:50953 CAPLUS
 DOCUMENT NUMBER: 98:50953
 TITLE: Biotin transport into fully differentiated 3T3-L1
 cells
 AUTHOR(S): Cohen, Nadine D.; Thomas, Michal
 CORPORATE SOURCE: Dep. Biol. Chem., Wright State Univ., Dayton, OH,
 45435, USA
 SOURCE: Biochemical and Biophysical Research Communications
 (1982), 108(4), 1508-16
 CODEN: BBRCA9; ISSN: 0006-291X
 DOCUMENT TYPE: Journal
 LANGUAGE: English

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 In a multifile environment, a format can only be used if it is valid
 in at least one of the files. Refer to file specific help messages
 or the STNGUIDE file for information on formats available in
 individual files.
 REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d l6 15 kwic ibib
 'D' IS NOT A VALID FORMAT
 'L21' IS NOT A VALID FORMAT
 '15' IS NOT A VALID FORMAT
 In a multifile environment, a format can only be used if it is valid
 in at least one of the files. Refer to file specific help messages

or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

=> d 16 15 kwic ibib

L6 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2003 ACS
IT 533-48-2 608-16-2 669-72-7 1784-22-1
RL: BIOL (Biological study)
(NMR of carbon-13 in)
ACCESSION NUMBER: 1980:54112 CAPLUS
DOCUMENT NUMBER: 92:54112
TITLE: Assignment of the carbon-13 NMR spectrum of biotin
AUTHOR(S): Bradbury, J. Howard; Johnson, Robert N.
CORPORATE SOURCE: Chem. Dep., Austr. Natl. Univ., Canberra, ACT 2600, Australia
SOURCE: Journal of Magnetic Resonance (1969-1992) (1979), 35(2), 217-22
CODEN: JOMRA4; ISSN: 0022-2364
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 16 16 kwic ibib

L6 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2003 ACS
IT 58-85-5 576-19-2 1784-22-1 10118-85-1 30868-27-0
40720-05-6
RL: BIOL (Biological study)
(diaminopelargonate aminotransferase formation regulation by)
ACCESSION NUMBER: 1978:486479 CAPLUS
DOCUMENT NUMBER: 89:86479
TITLE: In vitro synthesis and regulation of the biotin enzymes of Escherichia coli K-12
AUTHOR(S): Prakash, Om; Eisenberg, Max A.
CORPORATE SOURCE: Coll. Physicians Surg., Columbia Univ., New York, NY, USA
SOURCE: Journal of Bacteriology (1978), 134(3), 1002-12
CODEN: JOBAAY; ISSN: 0021-9193
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 16 17 kwic ibib

L6 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2003 ACS
AB The biotin antagonist streptavidin [9013-20-1] inhibited growth of T. vaginalis in vitro at .geq.1.00 mg/ml, whereas homobiotin [1784-22-1] did not inhibit growth. 7-Dehydrocholesteryl bromide [50861-86-4], an antagonist of the growth inhibitor ergostanyl acetate, did not affect growth compared. . .
IT 1784-22-1 9013-20-1 50861-86-4
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (Trichomonas vaginalis sensitivity to)
ACCESSION NUMBER: 1974:56033 CAPLUS
DOCUMENT NUMBER: 80:56033
TITLE: Relations between antivitamins and Trichomonas vaginalis

AUTHOR(S): Khristov, Khr. P.
CORPORATE SOURCE: Dermatol. Clin. Pleven, Pleven, Bulg.
SOURCE: Scientia Pharmaceutica (1973), 41(3), 200-3
CODEN: SCPHA4; ISSN: 0036-8709
DOCUMENT TYPE: Journal
LANGUAGE: German

=> d 16 18 kwic ibib

L6 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2003 ACS
IT 58-85-5 576-19-2 1784-22-1
RL: BIOL (Biological study)
(reaction with acetyl coenzyme A carboxylase, citric acid effect on)
ACCESSION NUMBER: 1972:536748 CAPLUS
DOCUMENT NUMBER: 77:136748
TITLE: Activation of acetyl coenzyme A carboxylase by
tricarboxylic acids
AUTHOR(S): Lane, M. Daniel; Moss, Joel; Ryder, Elena; Stoll,
Erwin
CORPORATE SOURCE: Sch. Med., Johns Hopkins Univ., Baltimore, MD, USA
SOURCE: Advances in Enzyme Regulation (1971), 9, 237-51
CODEN: AEZRA2; ISSN: 0065-2571
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 16 19 kwic ibib

L6 ANSWER 19 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
RN 669-72-7 (NOR BIOTIN)
1784-22-1 (HOMO BIOTIN)
16198-62-2 (TRIS NOR BIOTIN)
ACCESSION NUMBER: 1971:66232 BIOSIS
DOCUMENT NUMBER: BR07:66232
TITLE: ISOLATION AND CHARACTERIZATION OF NOR BIOTIN AND TRIS NOR
BIOTIN FROM CATABOLISM OF HOMO BIOTIN BY PSEUDOMONAS-SP.
AUTHOR(S): RUIS H; BRADY R N; MCCORMICK D B; WRIGHT L D
SOURCE: MCORMICK, DONALD B. AND LEMUEL D. WRIGHT (EDITED BY).
METHODS IN ENZYMOLOGY, VOL. XVIII. VITAMINS AND COENZYMES,
PART A. XXI+688P. ILLUS. ACADEMIC PRESS: NEW YORK, N.Y.,
U.S.A., (1970) 409-413.
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

=> d 16 20 kwic ibib

L6 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2003 ACS
IT 669-72-7 786-79-8 1784-22-1 2921-15-5 15720-23-7
RL: BIOL (Biological study)
(biotin absorption by Saccharomyces cerevisiae inhibition by)
ACCESSION NUMBER: 1970:19318 CAPLUS
DOCUMENT NUMBER: 72:19318
TITLE: Characterization of the biotin transport system in
Saccharomyces cerevisiae
AUTHOR(S): Rogers, Thomas O.; Lichstein, Herman C.
CORPORATE SOURCE: Coll. of Med., Univ. of Cincinnati, Cincinnati, OH,
USA
SOURCE: Journal of Bacteriology (1969), 100(2), 557-64

DOCUMENT TYPE: CODEN: JOBAAY; ISSN: 0021-9193
LANGUAGE: Journal
English

=> d 16 21 kwic ibib

L6 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2003 ACS
IT 58-85-5 1784-22-1

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
(Biological study); PROC (Process)
(metabolism of, mechanism of, in bacteria)

ACCESSION NUMBER: 1968:47221 CAPLUS

DOCUMENT NUMBER: 68:47221

TITLE: Bacterial degradation of biotin. II. Catabolism of
homobiotin-14C and norbiotin-14C

AUTHOR(S): Ruis, Helmut; Brady, Robert N.; McCormick, Donald B.;
Wright, Lemuel Dary

CORPORATE SOURCE: Cornell Univ., Ithaca, NY, USA

SOURCE: Journal of Biological Chemistry (1968), 243(3),
547-51

CODEN: JBCHA3; ISSN: 0021-9258

DOCUMENT TYPE: Journal

LANGUAGE: English

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.30	-1.30

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